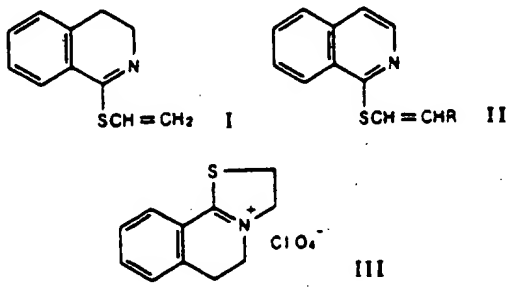
XP-002086826

6001 Chemical Abstracts, Columbus, Ohio, US
Vol.: 96. (1982.) 4 January No. 1.

Page: 592

96: 6539m **Heterocycles in organic synthesis. III. A facile synthesis of isoquinolinyl vinyl sulfides.** Singh, Harjit; Malhotra, Subhash C. (Dep. Chem., Guru Nanak Dev Univ., Amritsar, 143005 India). *Synth. Commun.* 1981, 11(8), 635–8 (Eng). The title compds. I and II (R = H, Me) were prepd. in 65–70% yields by fusion of an appropriate thiazoloisoquinolinium perchlorate with anhyd. K_2CO_3. Thus, fusion of perchlorate III gave sulfide I.



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STN INTERNATIONAL®

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AN 1982:68519 .ZCAPLUS

DN 96:68519

TI Reaction pathways for arylcarbamoyl radicals and the cyclization of o-substituted phenylcarbamoyl radicals

AU Leardini, Rino; Tundo, Antonio; Zanardi, Giuseppe

CS Ist. Chim. Org., Univ. Bologna, Bologna, 40136, Italy

SO J. Chem. Soc., Perkin Trans. 1 (1981), (12), 3164-7
CODEN: JCPRB4; ISSN: 0300-922X

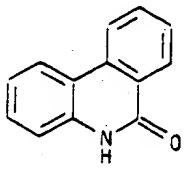
DT Journal

LA English

IT 1015-89-0P 20927-47-3P 38088-94-7P 78255-99-9P 80592-37-6P 80592-39-8P
(prepn. of)

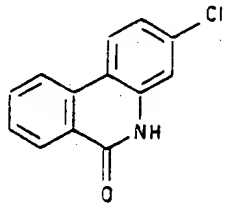
RN 1015-89-0 ZCAPLUS

CN 6(5*H*)-Phenanthridinone (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



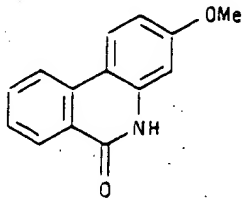
RN 20927-47-3 ZCAPLUS

CN 6(5*H*)-Phenanthridinone, 3-chloro- (7CI, 8CI, 9CI) (CA INDEX NAME)

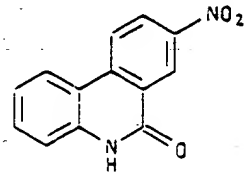


RN 38088-94-7 ZCAPLUS

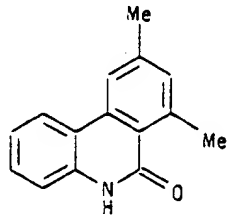
CN 6(5*H*)-Phenanthridinone, 3-methoxy- (6CI, 9CI) (CA INDEX NAME)



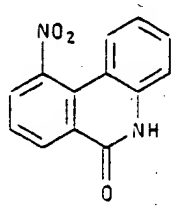
RN 78255-99-9 ZCAPLUS
RN 78255-99-9 ZCAPLUS
CN 6(5*H*)-Phenanthridinone, 8-nitro- (6CI, 9CI) (CA INDEX NAME)



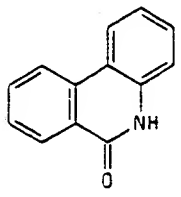
RN 80592-37-6 ZCAPLUS
CN 6(5*H*)-Phenanthridinone, 7,9-dimethyl- (9CI) (CA INDEX NAME)



RN 80592-39-8 ZCAPLUS
CN 6(5*H*)-Phenanthridinone, 10-nitro- (9CI) (CA INDEX NAME)



GI



I

AB Treatment of *N*-arylformamides with $(Me_3CO)_2$ gave *N*-arylcarbamoyl radicals which underwent a series of reactions depending on the nature and position of the ring substituent. E.g..

RN 80592-39-8 ZCAPLUS

HCONHPh was treated with $(Me_3CO)_2$ in ClPh for 48 h at 110° to give 20% $PhNHCO_2CMe_3$, 3% each of $PhNH_2$, BzNHPh, $(PhNHCO)_2$, *o*- and *m*-$ClC_6H_4CONHPh$, 4% *p*-$ClC_6H_4CONHPh$, and 25% $(PhNH)_2CO$. *o*-Substituted *N*-phenylformamides underwent intramol. cyclization in addn. to other reactions. E.g., $HCONHC_6H_4CN$-*o* was treated as above to give 25% isatin as the main product. Similar treatment of 2-formamidobiphenyls gave phenanthridones in high yields. E.g., phenanthridone I was prepd. in 83% yield from PhC_6H_4NHCHO-*o*.

L18 ANSWER 99 OF 155 ZCAPLUS COPYRIGHT 1997 ACS

AN 1984:51538 ZCAPLUS

DN 100:51538

TI Cyclization reactions of 2-pentynyl-4-pyrimidinones

AU Rougeot, Etienne; Moskowitz, Henri; Miocque, Marcel

CS Lab. Chim. Org., Fac. Pharm., Chatenay-Malabry, 92290, Fr.

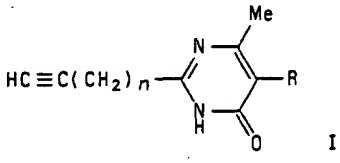
SO J. Heterocycl. Chem. (1983), 20(5), 1407-9

CODEN: JHTCAD; ISSN: 0022-152X

DT Journal

LA French

GI



I

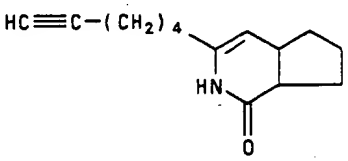
AB Acetylenic amidines $HC{:}C(CH_2)_nC(:NH)NH_2$ (n = 3, 4) give, by condensation with β-oxo esters, the pyrimidones I [R = H, n = 3, 4; R = CH_2Ph, $(CH_2)_6C{:}CH$, n = 3]. Two types of reaction are obsd. when I are heated without any catalyst. The minor route is a cyclization by attack on a triple bond by the amidic N. The main reaction is a cycloaddn. involving the non-activated triple bond and an azadiene system, leading to tricyclic intermediates which retrocyclize to stable bicyclic compds.

IT ***88513-60-4P***

(prepn. of)

RN 88513-60-4 ZCAPLUS

CN 1*H*-Cyclopenta[*c*]pyridin-1-one, 3-(5-hexynyl)-2,4a,5,6,7,7a-hexahydro- (9CI) (CA INDEX NAME)



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